



United States Department of the Interior



MINERALS MANAGEMENT SERVICE
Alaska Outer Continental Shelf Region
949 East 36th Avenue, Suite 300
Anchorage, Alaska 99508-4363

DATA ANNOUNCEMENT **Minerals Management Service**

Outer Continental Shelf Permits 78-07

Contract 14-08-0001-18303

Contract 14-35-0002-40253

Purchase Order 1435-02-98-PO-29021

MULTI-CHANNEL SEISMIC REFLECTION DATA **BEAUFORT SEA - ALASKA**

From July 15, 1978 until September 27, 1978, Western Geophysical Co. acquired 1,350 miles of multi-channel seismic reflection data. These data were collected under permit 78-07 issued by the Minerals Management Service (MMS). The MMS acquired 1,239 miles of this data set on September 4, 1979, under Contract 14-08-0001-18303. Under the conditions of the contract and subsequent regulations, the data became available to the public on June 15, 2003. We are soliciting interest by the public in receiving copies of these data. If there is a positive response to this announcement, we will make the data available to the World Data Center for Marine Geology and Geophysics, Boulder, Colorado. They will be responsible for making copies and marketing these data.

Western Geophysical Co. used two vessels in this survey, the M/V Western Beaufort, and the M/V Arctic Sun. The survey employed two energy sources. In the shallow water an air gun array was used as a sound source. The air gun array employed 12 air guns with a total capacity of 670 cu. in. They were towed at a depth of 8 feet. The guns were fired on a 164 foot interval. In deeper water the survey used four Aquapulse guns towed at a depth of 20 feet. The Aquapulse uses liquid oxygen and propane which is detonated by a spark to create the sound. They were fired on an 82 foot interval.

Both portions of the survey used identical geophone cables. The cable was 7,708 feet long and contained 48 groups of receivers. The cables were capable of being used in either a drag or streamer mode. When in streamer mode, they were towed at 30-40 feet. The data was recorded at a 2 ms. sample rate with a record length of 5 seconds in the shallow water and a record length of 6 seconds in the deeper water.

The shallow water data were processed at a 4 ms. sample rate and a 2,400% stack. The deep water data were sampled at a 4ms. rate and were stacked at 4,800%. The specific data that will be released are as follows.

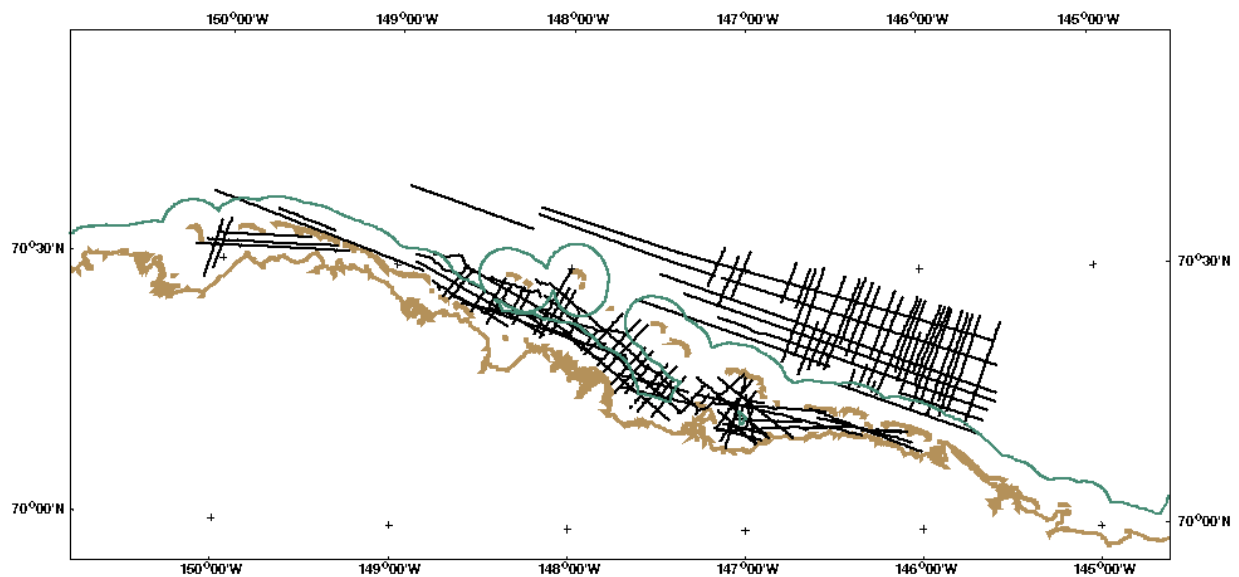
DATA AVAILABLE

The seismic reflection profiles in stack and migrated format are displayed with automatic gain control applied. The sections can be supplied as plastic sepia, and/or blackline prints.

Velocity plots have been scanned and recorded on CD-ROM. A digital version of the stacking velocities is also provided on the CD.

A navigation map is available as a reproducible or paper copy. Digital navigation data are available on CD_ROM

Data Coverage Permit 78-07



For further information or expressions of interest in acquiring the data please contact:

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